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UNITED STATES DEPARTMENT OF COMMERCE

PATENT AND TRADEMARK OFFICE

App Serial No: 09/825,377 ) Confirmation: 1648

Applicant(s): Yi Hu ) RECEIVED  
Zhiping Sun )

Filing Date: 04/02/2001 ) JUN 04 2004

TC/A.U.: 2655 ) Technology Center 2600

Docket: KELLY-4 )

EXAMINER: Smits, Talivaldis Ivars )

Title: )

CODEC WITH VECTOR PROCESSOR-BASED )

ACCELERATOR CORE ) Ph: (703) 306-3011

) Fax: (703) 872-9314

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Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 CFR section 1.97, the Applicant submits the following information, accompanied by a best copy of the cited documents. Form PTO 1449 is attached. A detailed discussion will follow.

By submitting these materials, the applicant does not concede that all are prior art. They do not know when some of the competitive devices were first made public.

### Introduction:

The following disclosure is being transmitted in the form provided to the attorney for applicant.

Some of the references appear to be relevant to, or useful in, evaluating the present patent application. For the purpose of completeness and accuracy, the reference is enclosed.

Patents:

The following reference was cited by the overseas attorney for the inventor on May 13, 2004, and received on September 1, 2000:

U.S. Patent No. 5,987,556 to Nakagawa entitled "DATA PROCESSING DEVICE HAVING ACCELLERATOR FOR DIGITAL SIGNAL PROCESSING". A data processor structure is disclosed..

U.S. Patent No. 5,727,123 to McDonough entitled "BLOCK NORMALIZATION PROCESSOR". A vocoder implementation method is disclosed.

Other:

Paper "HALF-RATE GSM VOCODER IMPLEMENTATION ON A DUAL MAC DIGITAL SIGNAL PROCESSOR", 1997 IEEE publicaton

Paper "HIERARCHIAL VHDL LIBRARIES FOR DSP ASIC DESIGN" 1997 IEEE publication

Abstract from European Patent Application EP 2 248 252 A3, showing a March 31, 2004 publication date.

**RECEIPT WITHOUT FEE DUE**

This disclosure statement should be received without fee because:

\_\_\_\_\_ Under 37 CFR 1.97 (b) this information disclosure statement is filed: (1) Within three months of the filing date of a national application; or (2) Within three months of the date of entry of the national stage as set forth in w 1.491 in an international application; or (3) Before the mailing date of a first Office action on the merits.

N/A Certification  
Attorney for Applicant Certifies that:  
\_\_\_\_\_ (0) This disclosure statement is being filed with the patent application.  
\_\_\_\_\_ (1) That each item of information contained in the information disclosure statement was cited in a

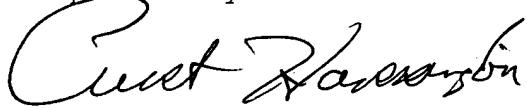
communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the statement, or

XXX (2) That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in # 1.56(c) more than three months prior to the filing of the statement. (Cited in related U.S. Application)

For the foregoing reasons, the Applicants submits that these references neither disclose nor suggest the claimed invention.

Dated: May 28, 2004

Respectfully submitted:



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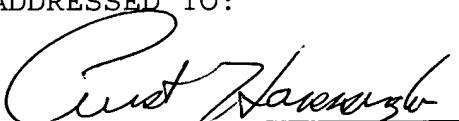
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PEO-1449

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09/825,377

INFORMATION  
DISCLOSURE  
CITATION

Yi Hu & Zhiping Sun

## CODEC WITH VECTOR PROCESSOR-BASED ACCELLERATOR CORE

Group Art  
U:2655

## U.S. Patent Documents

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JUN 04 2004

Technology Center 2600

## FOREIGN PATENT DOCUMENTS